

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

WinDoor, Inc. 7500 Amsterdam Drive Orlando, FL 32832

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Picture 2000" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 08–01025, titled "Series 2000 Aluminum Picture Window – LMI - (60" x 120")", sheets 1 through 6 of 6, dated 06/15/10 with revision B dated 01/19/12, prepared by manufacturer, signed and sealed by Luis R. Lomas, P. E., bearing the Miami–Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 10-0628.02 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

M3/26/12

NOA No. 12-0130.18 Expiration Date: March 03, 2016 Approval Date: April 05, 2012 Page 1

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. 08–01025, titled "Series 2000 Aluminum Picture Window LMI (60" x 120"), sheets 1 through 6 of 6, dated 06/15/10 with revision B dated 01/19/12, prepared by manufacturer, signed and sealed by Luis R. Lomas, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by National Certified Testing Laboratories, Inc., Test Reports No. NCTL-210-3649-1 and NCTL-210-3649-3, dated 02/26/10, both signed and sealed by Gerard J. Ferrara, P. E. (Submitted under previous NOA No. 10-0628.02)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC–2007, dated 06/23/10, prepared, signed, sealed and dated 10/11/10 by Luis R. Lomas, P. E.
- 2. Glazing complies with ASTM E1300-04. (Submitted under NOA No. 10-0628.02)

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

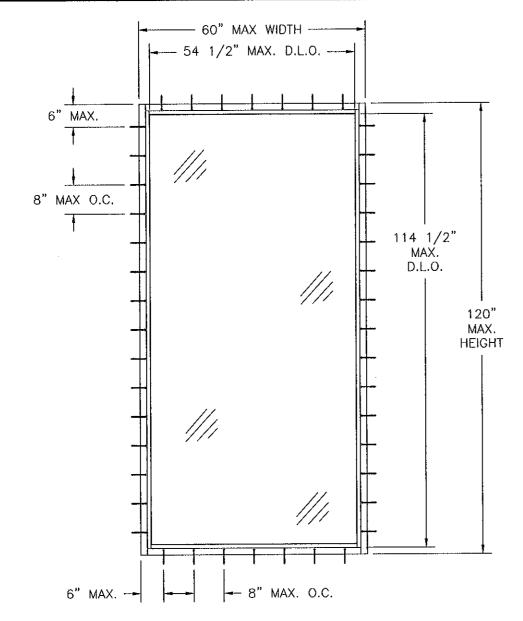
- 1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated January 19, 2012, signed and sealed by Luis R. Lomas, P.E.
- 2. Laboratory compliance letter for Test Reports No.'s NCTL-210-3649-1 and NCTL-210-3649-3, issued by National Certified Testing Laboratories, Inc., dated 02/26/2010, both signed and sealed by Gerard J. Ferrara, P. E. (Submitted under previous NOA#10-0628.02)

G. OTHER

1. Notice of Acceptance No. 10-0628.02, issued to WinDoor, Inc. for their Series "Picture-2000" Aluminum Fixed Window – L.M.I., approved on 03/03/11 and expiring on 03/03/16.

Manuel Perez; R.E. Product Control Examiner NOA No. 12-0130.18

Expiration Date: March 03, 2016 Approval Date: April 05, 2012



SERIES 2000 ALUMINUM PICTURE WINDOW

TYPICAL ELEVATION EXTERIOR VIEW

	REVISIONS								
REV	DESCRIPTION	DATE	APPROVED						
Α	PER DADE LETTER DATED SEPT. 8, 2010	09/09/10	R.L.						
В	REVISED NOTE 1	01/19/12	R.L.						

NOTES:

PRODUCT REVISED

as complying with the Florida Building Code

Expiration Date MARCH 3, 2016

Acceptance No 12-0130

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD FRAMING/2X BUCK, 20GA. WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING/2X BUCK, 20GA. WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5) FRAME MATERIAL: ALUMINUM 6063-T6 .080" THICK.
- 6) UNITS MUST BE GLAZED PER ASTM E1300-04 SEE SHEET 4 FOR GLAZING OPTIONS
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8) FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 9) FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR WOOD BACKED 20GA. MINIMUM STEEL STUD USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 11) ALL FASTENERS TO BE CORROSION RESISTANT.
- 12) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTH'S LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL FRAMING 20GA (.040) MINIMUM THICKNESS

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1	ELEVATION AND GENERAL NOTES
2	DESIGN PRESSURE CHARTS
3	BILL OF MATERIALS AND CROSS SECTIONS
4	GLAZING DETAILS
5	INSTALLATION DETAILS
6	COMPONENTS

WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832

Phone: 407.481.8400 Fax: 407.481.0505

www.windoorinc.com

SERIES 2000 ALUMINUM PICTURE WINDOW - LMI
60" x 120"
ELEVATION AND GENERAL NOTES

 DRAWN:
 DWG NO.
 REV

 TJH
 08-01025
 B

 SCALE NTS
 DATE 06/15/10
 SHEET 1 OF 6

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LUIS RI LOMAS P.E.

Maximum design pressure capacity chart (PSF) Series 2000 Picture window with Glazing A and B

	Series 2000 Ficture willdow with Glazing A and B														
	Panel width (in)														
Height	24	.0	30.0		36	36.0		42.0		48.0		54.0		60.0	
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
24.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
30.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
36.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
42.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
48.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
54.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
60.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
66.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
72.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
78.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
84.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
96.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
102.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
108.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
114.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
120.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	

Maximum design pressure capacity chart (PSF) Series 2000 Picture window with Glazing D

	Panel width (in)													
Height	24	.0	30.0		36	36.0		.0	48.0		54.0		60.0	
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
30.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
42.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
48.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
54.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
60.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
66.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
72.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	147.9	147.9
78.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0		146.6		140.2	140.2
84.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	141.2	141.2	134.2	134.2
90.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	147.0	147.0	136.9	136.9	129.4	129.4
96.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	143.8	143.8	133.3	133.3	125.5	
102.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	141.0		130.3	130.3	122.2	
108.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0		138.6	127.8	127.8	119.4	
114.0	150.0	150,0	150.0	150.0	150.0	150.0	150.0	150.0	136.6	136.6	125.6	125.6	117.1	117.1
120.0	150.0	150.0	150.0	150.0	150.0	150.0	149.4	149.4	134.8	134.8	123.7	123.7	115.0	115.0

	REVISIONS	·	
REV	DESCRIPTION	DATE	APPROVED
Α	PER DADE LETTER DATED SEPT. 8, 2010	09/09/10	R.L.
В	REVISED NOTE 1	01/19/12	R.L.

Maximum design pressure capacity chart (PSF) Series 2000 Picture Window with Glazing C

	Panel w idth (in)													
Height	24.0 30.		.0 36.0		42.0		48.0		54.0		60.0			
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0		175.0
30.0	175.0	175.0	175.0	175.0	175.0	175.0	175,0	175.0	175.0	175.0	175.0	175.0		175.0
36.0	175.0	175.0					175.0							175.0
42.0	175.0	175.0	175.0				175.0							175.0
48.0	175.0	175.0					175.0							
54.0	175.0						175.0							
60.0	175.0						175.0							
66.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0				
72.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0					173.3		167.1
78.0	175.0	175.0			175.0				175.0					158.4
84.0	175.0						175.0							151.7
90.0	175.0						175.0						146.3	146.3
96.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	162.5					
102.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	159.4	159.4	147.3	147.3	138.1	138.1
108.0	175.0	175.0	175.0	175.0	1		172.9						135.0	
114.0	175.0		175.0				170.7			•			132.3	
120.0	175.0	175.0	175.0	175.0	175.0	175.0	168.8	168.8	152.3	152.3	139.8	139.8	130.0	130.0

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0130 18
Expiration Date Harry 3,2016
By Walley

Win	Door				
INCORPORATED					

7500 AMSTERDAM DRIVE ORLANDO, FL 32832

Phone; 407.481.8400 Fax: 407.481.0505

505 www.windoorinc.com

SERIES 2000 ALUMINUM PICTURE WINDOW - LMI 60" x 120" DESIGN PRESSURE CHARTS

 DRAWN:
 DWG NO.
 RESTRICT

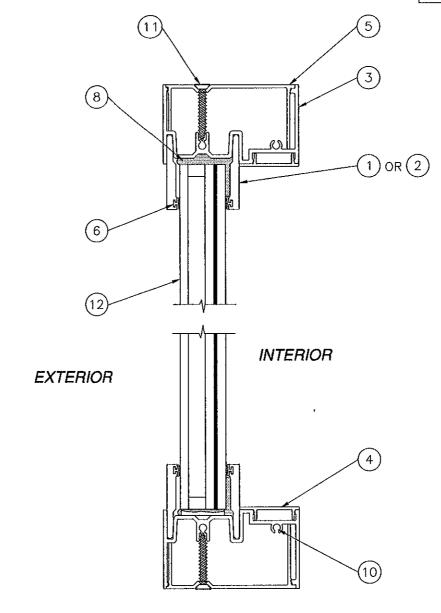
 TJH
 08-01025
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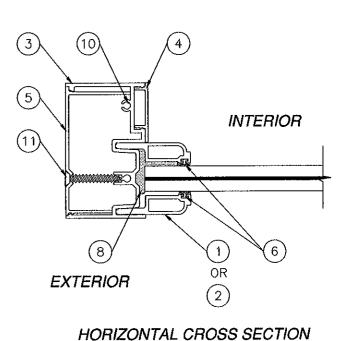
 SCALE NTS
 DATE 06/15/10
 SHEET 2 OF 6

LUIS R. LOMAS P.E. Florida No. 62514

		PARTS LIST		
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	FH-01878	9/16" VERTICAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
2	FS-01880	1" VERTICAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
3	FS-02840	FIXED WINDOW FRAME	KEYMARK	ALUMINUM 6063-T6
4	FS-02849	SCREW COVER	KEYMARK	ALUMINUM 6063-T6
5	FS-02837	FLAT FILLER	KEYMARK	ALUMINUM 6063-T6
6	GA-VIN-05A	IMPACT GLASS STOP VINYL	TEAM PLASTICS	85 DUROMETER
7	121000	SETTING BLOCK	FRANK LOWE	85 DUROMETER
8	SIKAFAST 552	GLAZING COMPOUND	SIKA CORP.	POLYURETHANE
9		NOT USED		
10		#10 x 1 1/4" PH SQU. DR. SCREW		18-8 STAINLESS STL
11		#10 x 1 1/4" PPH SCREW		18-8 STAINLESS STL
12		GLAZING, SEE SHT. 4 FOR DETAILS		

	REVISIONS								
REV	DESCRIPTION	DATE	APPROVED						
А	PER DADE LETTER DATED SEPT. 8, 2010	09/09/10	R.L.						
В	REVISED NOTE 1	01/19/12	R.L.						





VERTICAL CROSS SECTION

FRAME CONSTRUCTION:
FRAMES ARE CONSTRUCTED FROM EXTRUDED 6063—T6 ALUMINUM. VERTICAL
STILES ARE NOTCHED TO RECEIVE HORIZONTAL RAILS. EACH RAIL IS SECURED
TO STILES WITH (2) #10 x 1 1/4" SQ. DRIVE SCREW AT EACH END, B.O.M.
ITEM #10. ALL FRAMES USE DRIVE IN GLASS STOPS ON EXTERIOR AND
INTERIOR.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0130.18
Expiration Date March 3,2016
By Manual Dade Product Control

WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832

Phone: 407.481.8400 Pax: 407.481.0505

www.windoorinc.com

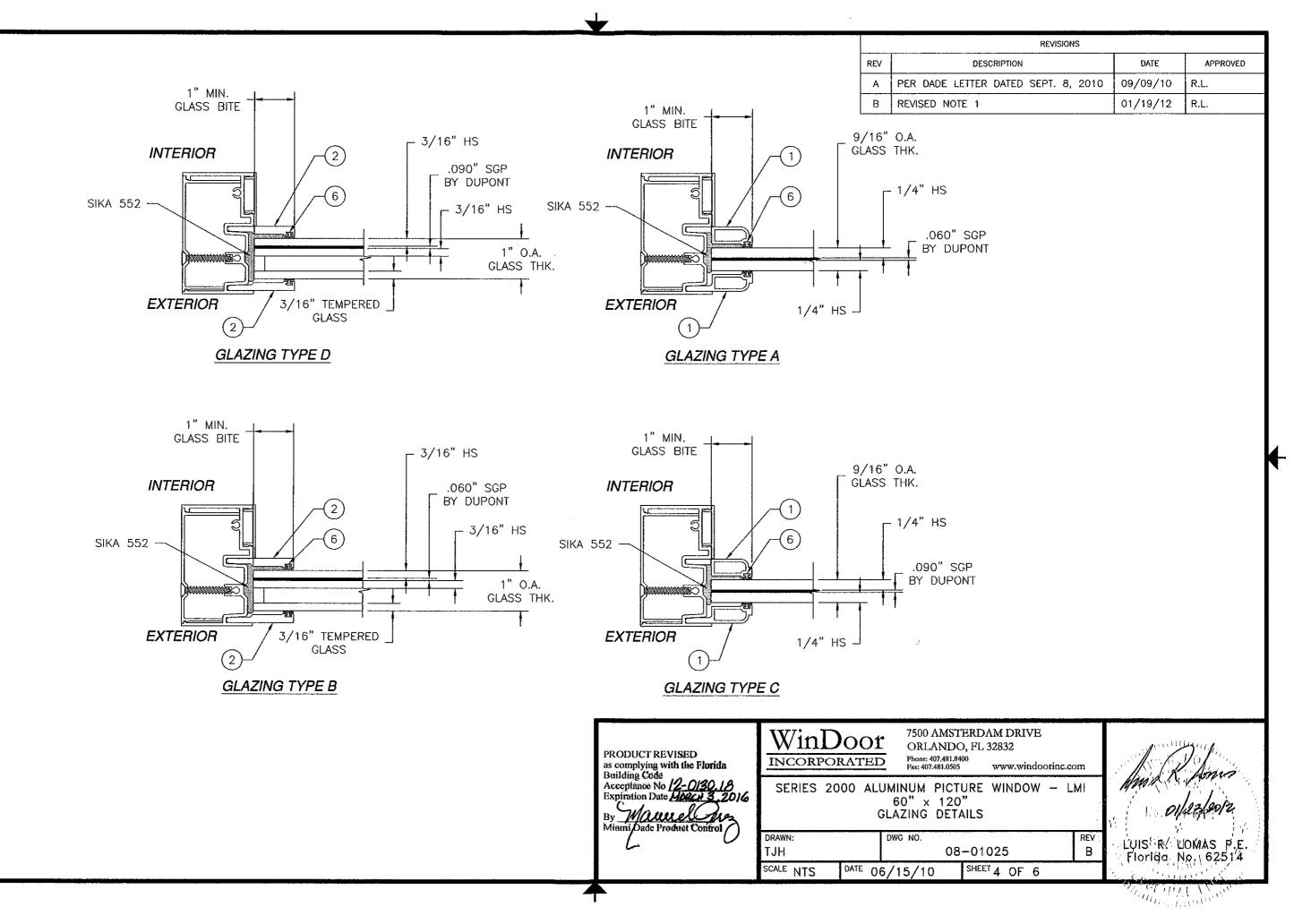
SERIES 2000 ALUMINUM PICTURE WINDOW - LMI 60" x 120" CROSS SECTIONS AND B.O.M.

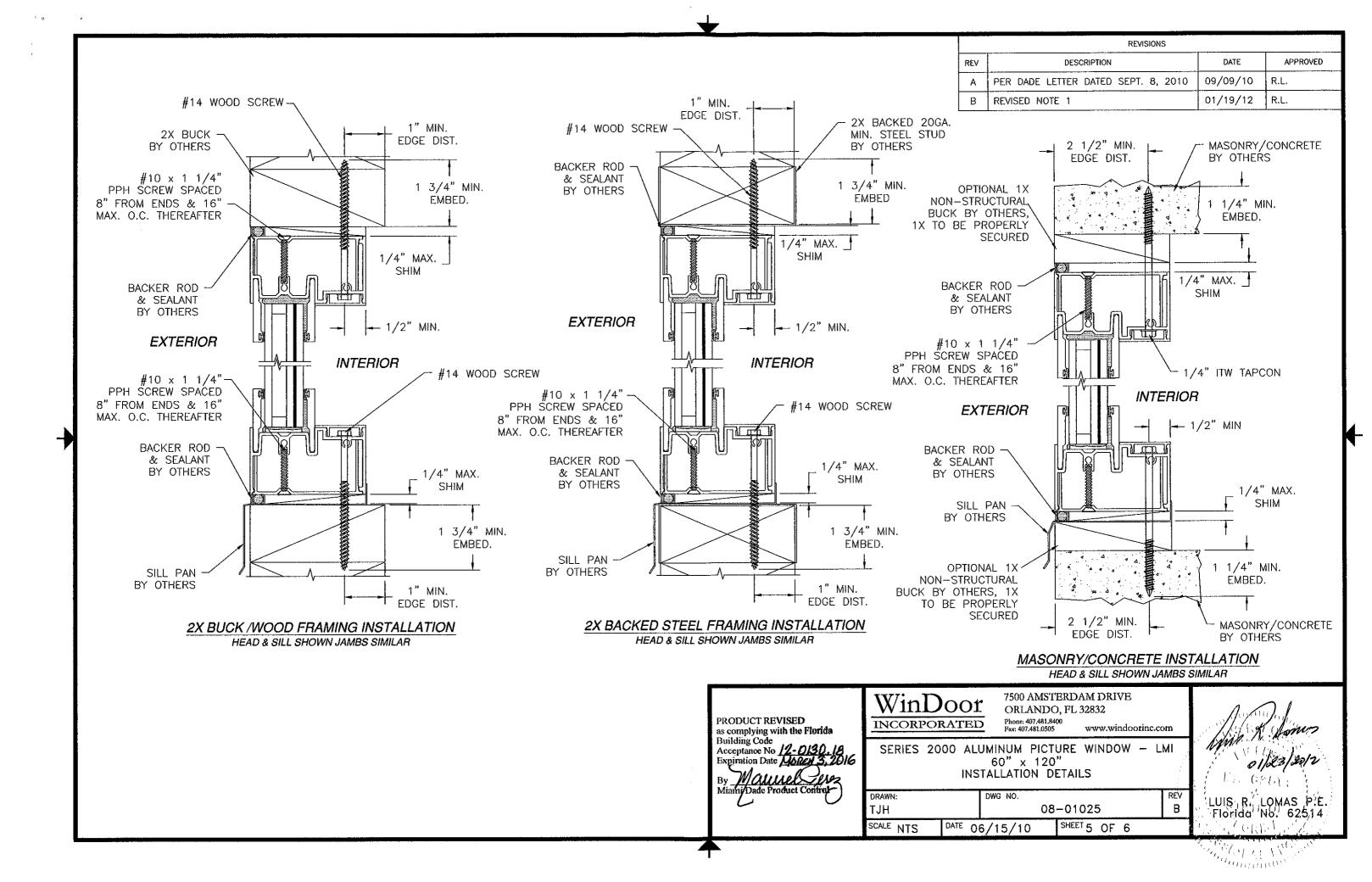
DRAWN: DWG NO. REV
TJH 08-01025 B

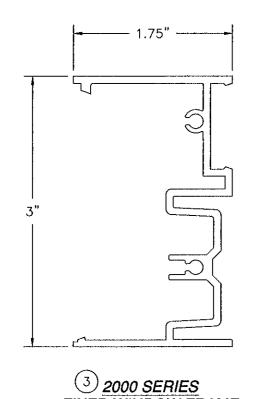
SCALE NTS DATE 06/15/10 SHEET 3 OF 6

1 Janes 01/23/2012

LUIS R. LOMAS P.E. Florida No. 625/14





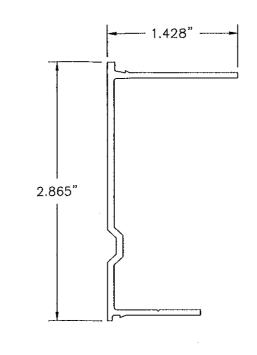


-- 1.650" .240"

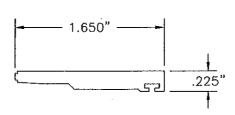
FIXED WINDOW FRAME

6063-T6 ALUMINUM .080" THICK

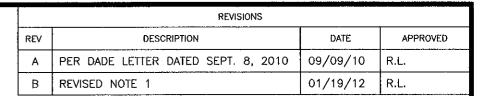
1 9/16" VERTICAL GLASS STOP 6063-T6 ALUMINUM .070" THICK

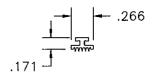


(5) FLAT FILLER 6063-T6 ALUMINUM .070" THICK

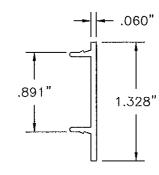


(2)1" VERTICAL GLASS STOP 6063-T6 ALUMINUM .140" THICK

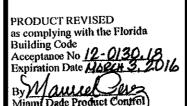




(6) IMPACT GLASS STOP VINYL 85 DUROMETER BLACK



SCREW COVER 6063-T6 ALUM.



WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832

Phone: 407.481.8400 Fax: 407.481.0505

www.windoorinc.com

SERIES 2000 ALUMINUM PICTURE WINDOW - LMI 60" x 120" COMPONENTS

DRAWN: TJH SCALE NTS DWG NO.

08-01025

DATE 06/15/10 SHEET 6 OF 6

Character Const

LUIS RANDMAS P.E.